

Title (en)

METHOD FOR CALIBRATING A TEMPERATURE MEASURING DEVICE OF A DENTAL OVEN AND CALIBRATION ELEMENT

Title (de)

VERFAHREN ZUR KALIBRIERUNG EINES TEMPERATURMESSGERÄTS EINES DENTALOFENS UND KALIBRIERKÖRPER

Title (fr)

PROCÉDÉ D'ÉTALONNAGE D'UN APPAREIL DE MESURE DE TEMPÉRATURE D'UN FOUR DENTAIRE ET BLOC D'ÉTALONNAGE

Publication

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Application

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Abstract (en)

[origin: CA3020358A1] The invention relates to a method for calibrating a temperature measuring device (1) of a dental oven (2) by means of at least one calibration element (6), which is heated in the dental oven (2) during a heating time interval (dt), wherein the at least one calibration element (6) has at least one measurement material (7) having a reversible phase transition occurring at a first transition temperature (TC1), the phase transition causes a rapid change to at least one first parameter (I) of the dental oven (2), the temperature in the furnace chamber (3) is measured by means of the temperature measuring device (1) as an actual temperature (T), and the parameter (I) is measured, at least one first rapid change (dl1) of the first parameter (I) is determined, a deviation of the first actual temperature value (T1) from the first transition temperature (TC1), measured by the temperature measuring device (1), upon the first rapid change (dl1) of the first parameter (I) is determined, and the actual temperature (T) of the temperature measuring device (1) is corrected according to the deviation.

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